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Amendment
Attorney Docket No. H01.2B-11507-US01

Amendments To The Claims:

1. (Currently Amended): [[A]] An apparatus for detecting a coin in a coin tube of a money changer for an automatic coin machine[[s]], comprising a casing in which a plurality of serially arranged tubes are mounted to store coins in a column shape, light barriers associated to the tubes at least in the upper and lower regions with each light barrier having a light-emitting element and a light sensitive receiving element which are superposed on the same side of the coin tube whereas the opposite side of the coin tube has arranged thereon a prism which reflects the received light back to the receiving element, and a control circuit for the money changer into which the output signals of the light receiving elements are entered, characterized in that the casing (44) has a wall portion (12) in parallel with the series of the coin tubes (54 to 60), a printed circuit board (14) for the control circuit is mounted on the opposite side on the wall portion (12) and carries the light-emitting elements (16) and receiving elements (18) which are directed towards the respective coin tube (56 to 60) via holes (20, 22) in the printed circuit board (14) and in the wall portion (12).

2. (Currently Amended): [[A]] An apparatus for detecting a coin in a coin tube of a money changer for an automatic coin machine[[s]], comprising a casing in which a plurality of serially arranged coin tubes are mounted to store coins in a column shape, light barriers associated to the tubes at least in the upper and lower regions with each light barrier having a light-emitting element and a light sensitive receiving element which are superposed on the same side of the coin tube whereas the opposite side of the coin tube has arranged thereon a prism which reflects the received light back to the receiving element, and a control circuit for the money changer into which the output signals of the light receiving elements are entered,

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characterized in that the coin tubes (54 to 60) are made of a light sensitive material and the prisms (36) are integrally formed with the respective coin tube and the coin tubes (54 to 60) are made of a light-transmissive material and further wherein inlet and outlet surface portions for the light beam of a coin tube are defined by windows (28 to 30) where the transmission of light is markedly higher than in the rest of the coin tube.

3. (Currently Amended): The money changer apparatus as claimed in claim 2, characterized in that the coin tubes have a wall thickness and the windows have a wall thickness[[.]] and further wherein inlet and outlet surface portions for the light beam of a coin tube (54 to 60) are defined by windows (28 to 30) in which whereby the wall thickness of the coin tubes windows is smaller than the wall thickness of the coin tube.

4. (Canceled) The money changer as claimed in claim 3, characterized in that the transmission to of light is markedly higher in the region of the windows (28 to 30) than is in the other region in the rest of the coin tube.

5. (Currently Amended): The money changer apparatus as claimed in claim 3, characterized in that said inlet and outlet surface portions of said windows (28, 30), at the outside of said coin tubes (54 to 60), are surrounded at least in part by a raised frame (32, 34) through which the light entering the coin tubes (54 to 60) and exiting therefrom is restricted from unwantedly propagating crosswise to the beam axis.

6. (Currently Amended): The money changer apparatus as claimed in claim 2, characterized in that said prisms (36), at the outside of said coin tubes (54 to 60) are surrounded

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at least in part by a raised frame (42) which restricts the propagation of unwanted light and the penetration of unwanted extraneous light to the prisms (36).

7. **(Currently Amended):** The ~~money-changer~~ apparatus as claimed in claim 5, characterized in that said raised frames (32, 34) of the windows (28, 30) bear against the side of the wall portion (12) that faces them.

8. **(Currently Amended):** The ~~money-changer~~ apparatus as claimed in claim 1, characterized in that a cassette-shaped assembly of the coin tubes (54 to 60) has two cup components (66, 76) each of which has the cylinder halves (68, 78) of the coin tubes 54 to 60

9. **(Currently Amended):** The ~~money-changer~~ apparatus as claimed in claim 8, characterized in that a cassette assembly is enclosed by a cover (62), which is U-shaped in cross-section, ~~from the front~~ and the cover (62) can be joined to the cassette assembly by means of a snap connection to form a unit.

10. **(Currently Amended):** The ~~money-changer~~ apparatus as claimed in claim 9, characterized in that said cover (62) is also manufactured from a transparent plastic.

11. **(Currently Amended):** The ~~money-changer~~ apparatus as claimed in claim 9, characterized in that said casing (44), on the two sides of the wall portion (12), has vertically extending, parallel-spaced wall portions (46, 48) into which a receiving slot (50) open to the free edge of the wall portion (46, 48) is formed each and the cover (62), in its leg-like wall portions (92, 94) at the outside, has trunnion-shaped projections (104) which are adapted to be introduced into said receiving slot (50) when the unit is inserted into said casing (44).

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12. (Currently Amended): The ~~money-changer~~apparatus as claimed in claim 11, characterized in that the cover (62), at the leg portions (92, 94) has a resilient portion (96, 98) with a catch portion (100 which engages a catch opening (52) of the side wall portions (46, 48).

13. (Currently Amended): The ~~money-changer~~apparatus as claimed in claim 1, characterized in that the wall portion (12) has formed thereto locating means by which the printed circuit board (14) is located to the wall portion (12).

14. (Currently Amended): The ~~money-changer~~apparatus as claimed in claim 1, characterized in that the light-emitting and receiving elements (16, 18) are operated in a pulsed mode.

15. (Currently Amended): **[[A]] An apparatus for detecting a coin in a coin tube of a**
money changer for an automatic coin machine[[s]], comprising:

a casing;

a plurality of coin tubes being mounted in the casing, each coin tube being made of a light-transmissive material;

a light barrier associated with each coin tube, each light barrier having a light-emitting element and a light sensitive receiving element, the light-emitting element and the light sensitive receiving element being arranged on a first side of the coin tube, each light sensitive receiving element having an output signal;

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a prism being arranged on each coin tube on a second side of the coin tube, the second side being opposite the first side, the prism reflecting the received light back to the light sensitive receiving element, each prism being integrally formed with their respective coin tube[[, and]];

a control circuit which receives the output signals of the light sensitive receiving elements[[.]], and

the coin tubes (54 to 60) have inlet and outlet surface portions which form windows (28, 30) that are surrounded at least in part by a raised frame (32, 34) through which the light entering and exiting said coin tubes (54 to 60) therefrom is restricted from unwantedly propagating crosswise to the beam axis.

16. (Currently Amended): The ~~money changer apparatus~~ of claim 1 wherein each coin tube further includes windows made of a transparent material.

17. (New): The apparatus as claimed in claim 15, characterized in that the transmission of light is markedly higher in the region of the windows (28 to 30) than in the rest of the coin tube.

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Amendments To The Drawings:

None.